

June 21 - 27, 2002

The Terra spacecraft is in nominal mode. All instruments are functioning well in Science Mode.

Terra continues to perform two MODIS data dumps per orbit in support of NPP as often as possible. High priority Tracking and Data Relay Satellite System (TDRSS) users impact the ability of Terra to obtain adequate TDRSS coverage to achieve two MODIS dumps per orbit during some intervals.

The MODIS formatter continues to experience a large number of resets. The anomaly team is planning a switch to the B-side (redundant) formatter. This will likely be executed the week following the July 4 holiday. A technical review of options was planned for June 28.

A bit flip occurred in the Solid State Recorder, altering the bit pattern of an intended command. This has been experienced on several different occasions and has been a minor nuisance, but does not significantly impact operations or result in significant data loss. The team is investigating the event with the support of spacecraft vendor control and data handling subsystem personnel.

TERRA PLANS:

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- A MODIS calibration lunar roll maneuver is scheduled for June 29.
- The next Inclination Adjust Maneuver is tentatively scheduled for July 17.
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